

SIEMENS

Interface Module Adapter

SIMATIC S7-300, 400 and 1500

ET200SP, ET200SP HA



Innovation on economical base

When we are talking to our customers there always seems to be a common problem: many plants are still operating with automation systems of the previous generation and although the performance is still sufficient, it will become increasingly difficult to get spare parts and to have an efficient service in the future.

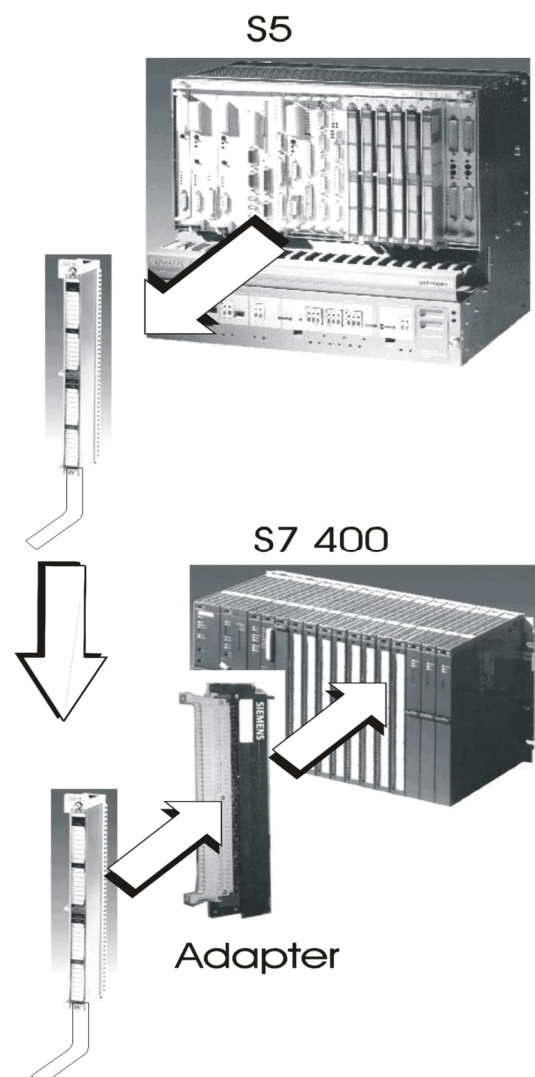
To be up to date, it will be necessary to replace the existing system with a modern unit. But quite often this decision is delayed by the fear of disruption of the running production and the inconvenience of long-term trouble shooting in case of incorrect wiring.

Retrofit at ease

Example: S7-400

The Interface Module Adapter for SIMATIC S7-300 or SIMATIC S7-400 links the old with the new, field proven production systems with the latest achievements in automation systems.

You simply take off the front plug of the I/O units, replace the automation system by a S7, plug in the IMA and fix the front plug back on to the adapter. All is done easily by plug-ins. And after actualisation of the STEP 7 software you can continue with you production.



Advantages are obvious

- There are low engineering costs in the hardware, only a replacement of the controller is necessary. All wiring remains at its place
- Schematic diagrams don't have to be revised; signal lists are automatically updated by the software.
- The shutdown time of the production is reduced.

This procedure not only saves a lot of time and money, but also reduces errors.

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Types of controllers

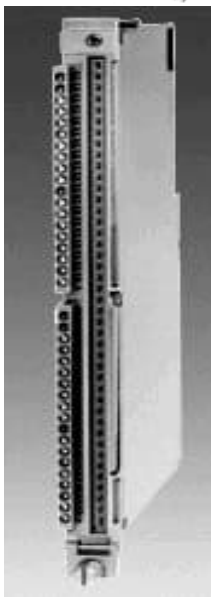
The use of IMA is provided for the following controllers:



- S5 115 U
- S5 130 W/K
- S5 135 U
- S5 150 U
- S5 155 S/U
- S5 150 K

Automation device is the S7-300, S7-400 or S7-1500.

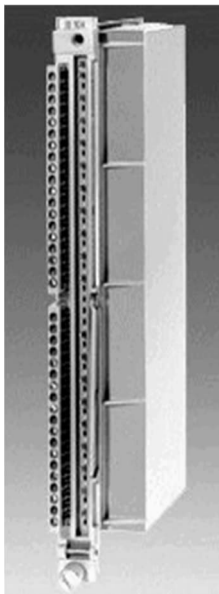
No longer available are adapter for the K-series.



Digital Input:

The digital inputs are classified by the following technical features:

- Number of channels: 8/16/32
- Potential separation: internal / external
- Grouping of channels: 1/4/8/16/32
- Signal voltage: TTL/24V=60V=115V~230V~
- Switching frequency
- Type of connector: Screw/Crimp 42/20-poles
- Space requirement: single / double space
- Interrupt signal
- Enable signal
- Unit encoding
- Address encoding



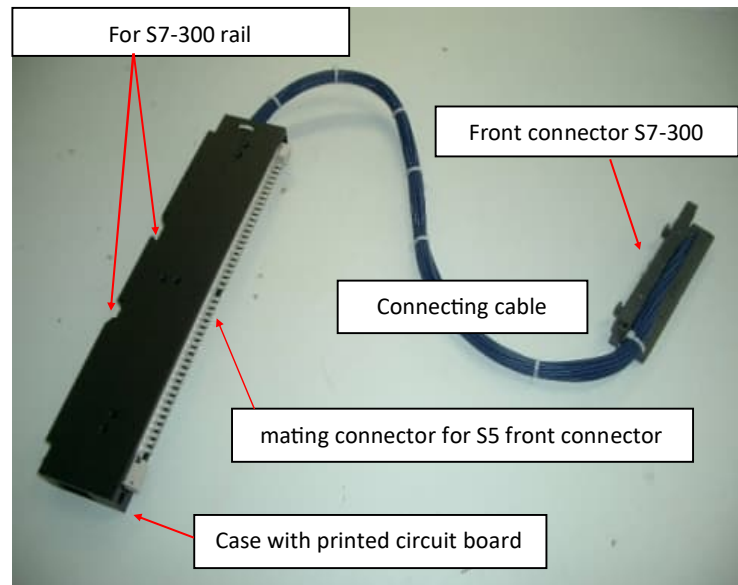
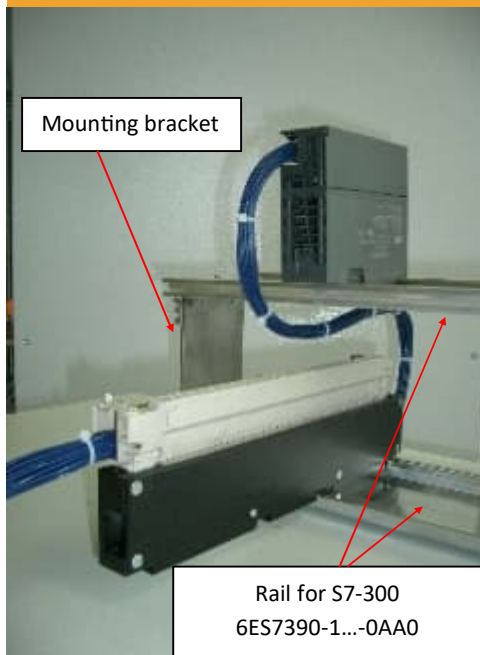
Digital Output:

The digital outputs are classified by the following technical features:

- Number of channels: 8/16/32
- Potential separation: internal / external
- Grouping of channels: 1/4/8/16/32
- Signal voltage: TTL/24V=60V=115V~230V~
- Switching frequency
- Type of connector: Screw/Crimp 42/20-poles
- Space requirement: single / double space
- Short circuit protection: none / fuse / electronic
- Switching Capacity: 0,1/0,5/2A
- Voltage limitation
- Unit encoding
- Address encoding

All these specifications must be considered before replacement.

Structure S5 to S7-300



Technical data:

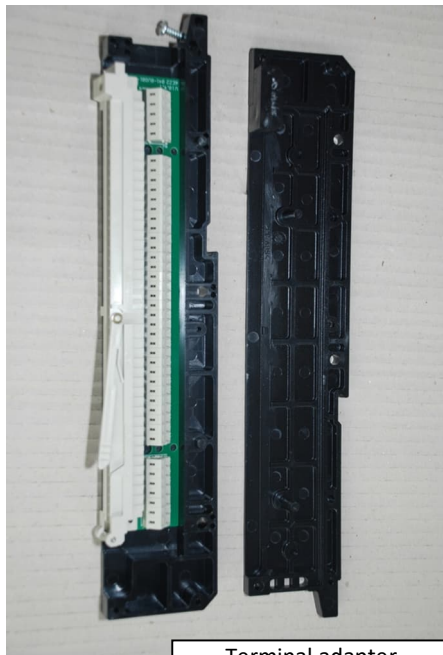
Case with printed circuit board : H x B x T = 330 x 27 x 70 mm

Connecting cable: l= 500mm

Mounting bracket Set: H = 150 to 280 mm, B = 80 mm

S7-rail and S7-300 are not included.

Adapter open ended type / terminal adapter



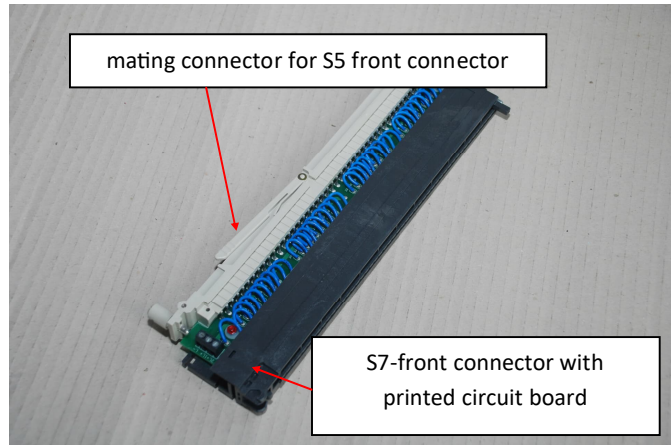
Terminal adapter

There are no adapters available for each possible combination.

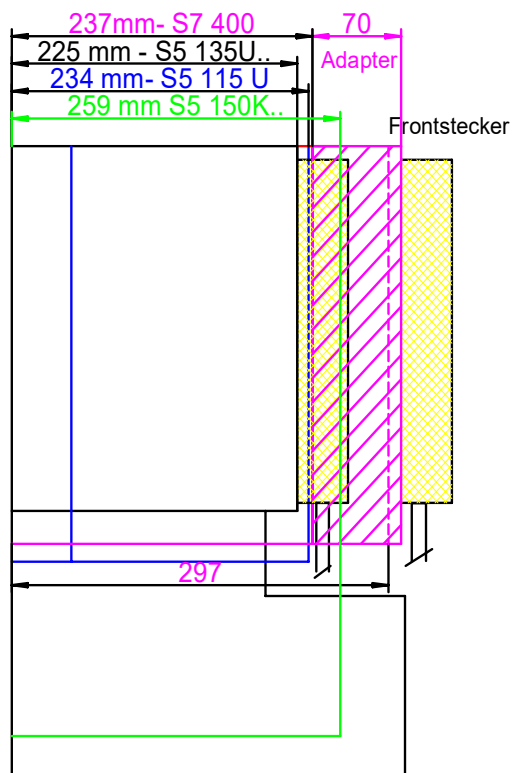
By using the adapter with open cable end (cable length is 0,5m) or with terminals you can make patches and wiring according to your own requirements.



Structure S5 to S7-400



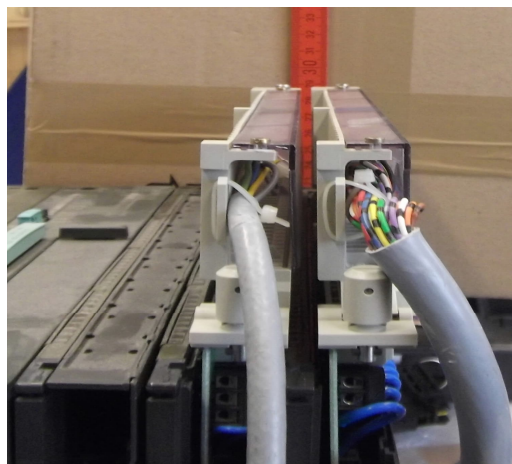
Dimensions adapter



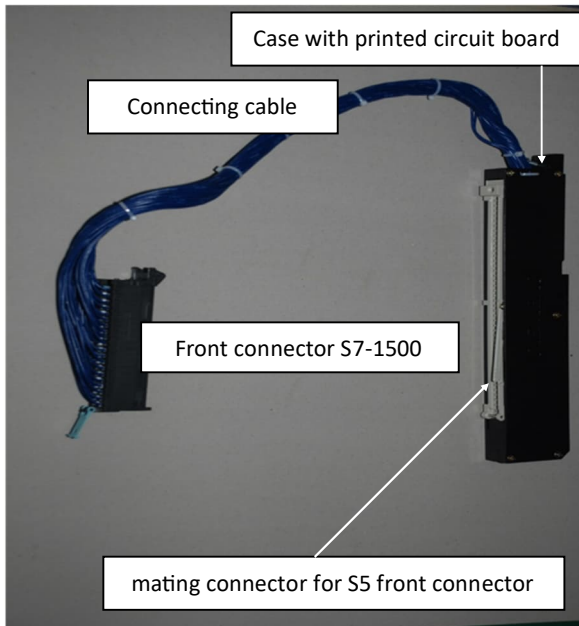
H x B x T = 290 x 25 x 70 mm

Mounting depth:

- S7 400: 237mm+70mm Adapter
- S5 150U 225mm
- S5 150K 259mm
- S5 115U 234mm



Structure S5 to S7-1500



Technical data:

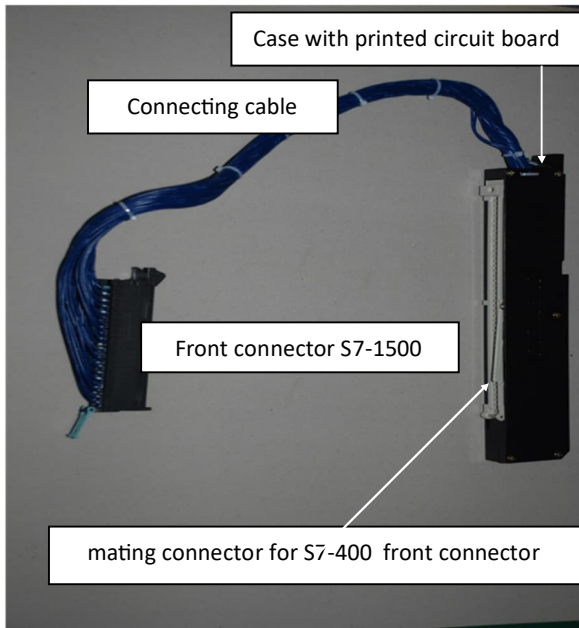
Case with printed circuit board : H x B x T = 330 x 27 x 70 mm

Connecting cable: l= 500mm

Mounting bracket Set: H = 150 to 280 mm, B = 80 mm

S7-rails and S7-1500 are not included.

Structure S7-400 to S7-1500



Technical data:

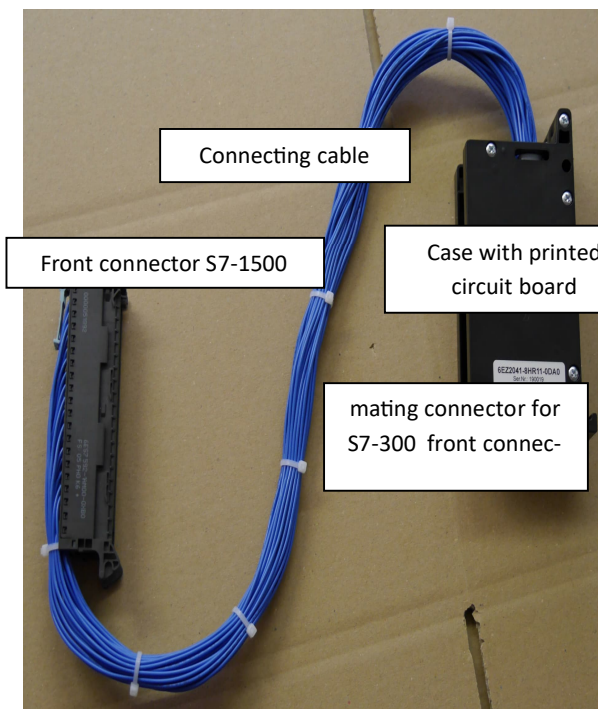
Case with printed circuit board : H x B x T = 330 x 27 x 70 mm

Connecting cable: l= 500mm

Mounting bracket Set: H = 150 to 280 mm, B = 80 mm

S7-rails and S7-1500 are not included.

Structure S7-300 to S7-1500



Technical data:

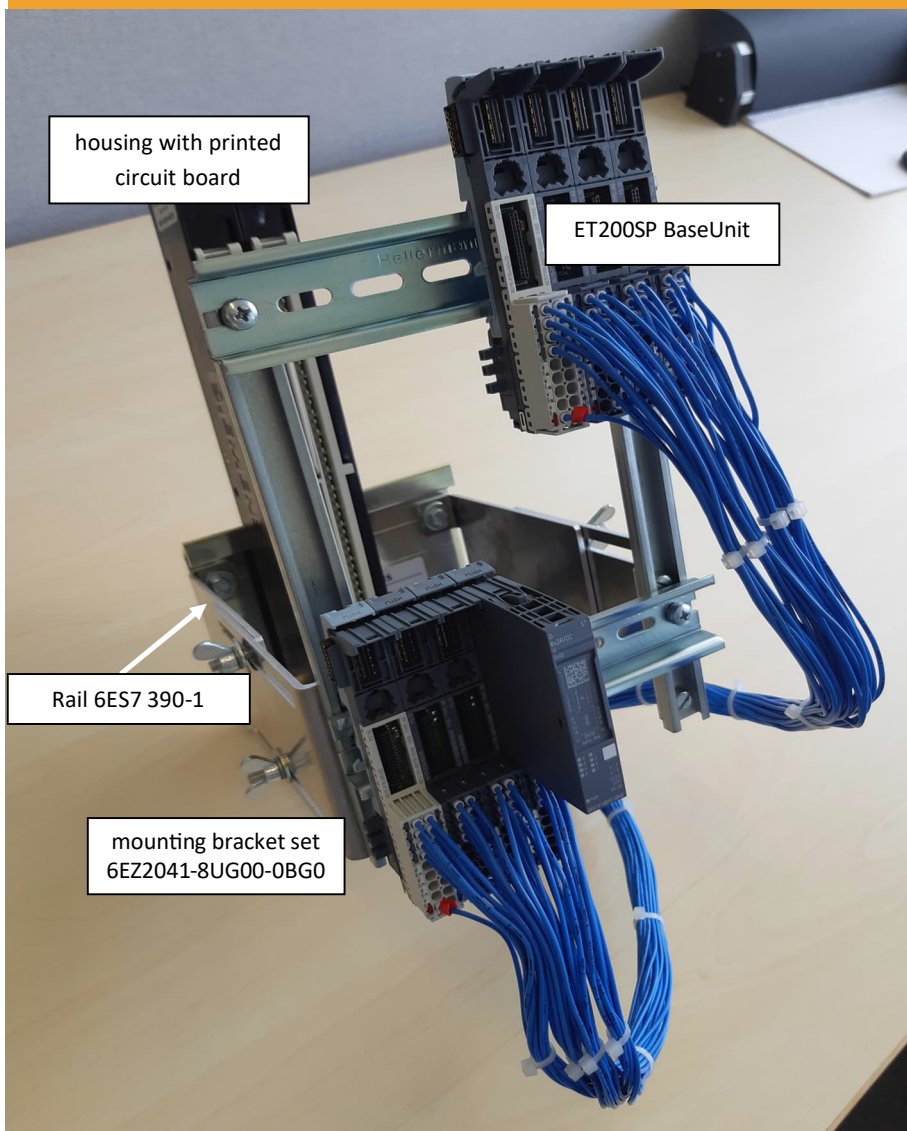
Case with printed circuit board : H x B x T = 330 x 27 x 70 mm

Connecting cable: l= 500mm

Mounting bracket Set: H = 150 to 280 mm, B = 80 mm

S7-rails and S7-1500 are not included.

Structure S5-135/155U to ET200SP



The adapter consists of:

- Case with printed circuit board and S5-mating plug
- Connecting cable: l=600mm
- ET200SP BaseUnits

Technical data:

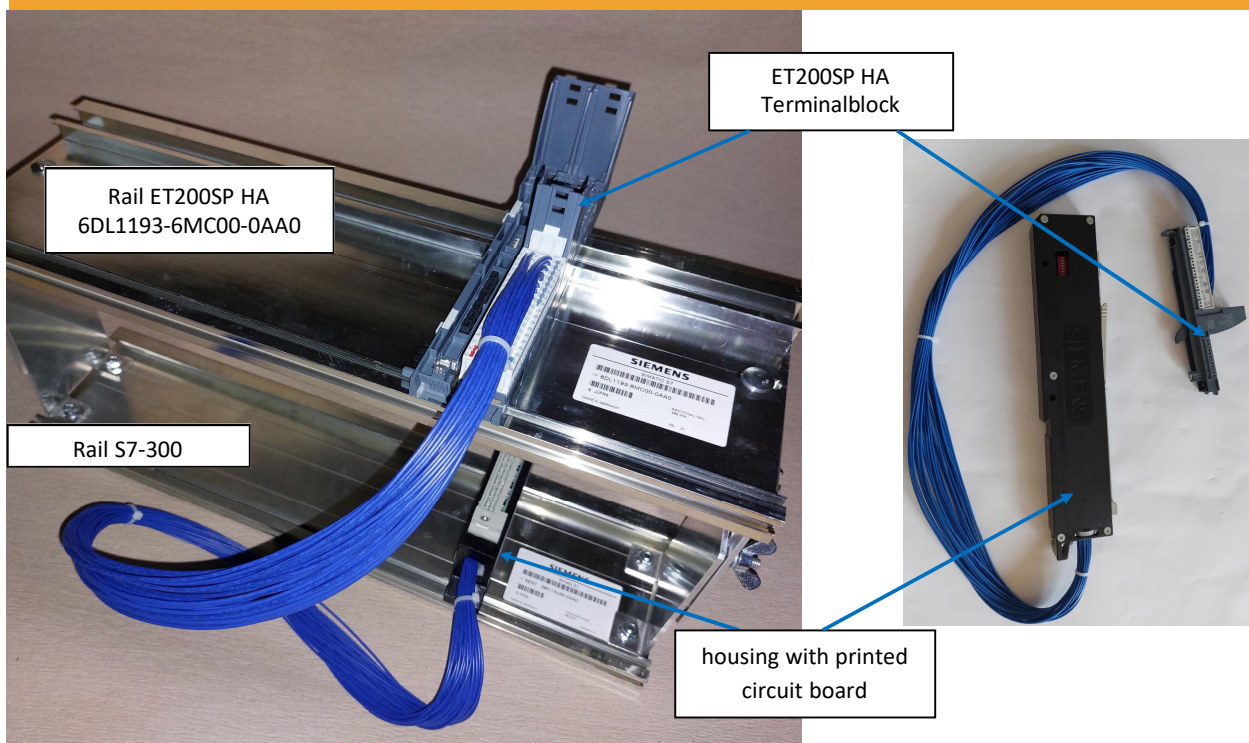
Case with printed circuit board : H x B x T = 330 x 27 x 70 mm

Mounting bracket Set: H = 150 to 280 mm, B = 80 mm

Profile rails and ET200SP-modules are not included



Structure S5-135/155U to ET200SP HA (on request)



The adapter consists of:

- Case with printed circuit board and S5-mating plug
- Connecting cable: l=500mm
- ET200SPHA BaseUnits

The adapter is mounted on the S7-300-rail, components of ET200SP HA use the rail of ET200SP HA. The mounting brackets (6EZ2041-8UG00-0BG0) are used for a two level structure.

Potential groups must be observed during planning. The ET200SP HA uses only 1 potential group while the S7-135/155U is capable of more than one potential group.

The supply can be set with a dipswitch. (example on the following page)

Technical data:

Case with printed circuit board : H x B x T = 330 x 27 x 70 mm

Mounting bracket Set 6EZ2041-8UG00-0BG0

Profile rails, carrier modules and ET200SP HA-modules are not included.

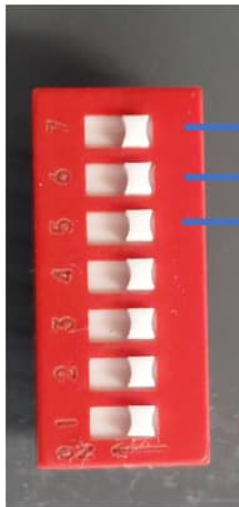
Structure S5-135/155U to ET200SP HA (on request)

6EZ2041-8HR51-1DA0

Auslieferungszustand:

Delivery status:

off



7 not connected

6 not connected

5 not connected

Beispiel / Example:

S4: on

S1/S2/S3: off

1L+ (S4) connected to L+ (ET200SP HA)

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Adapter S5 135U/155U - S7 ET200SP-HA

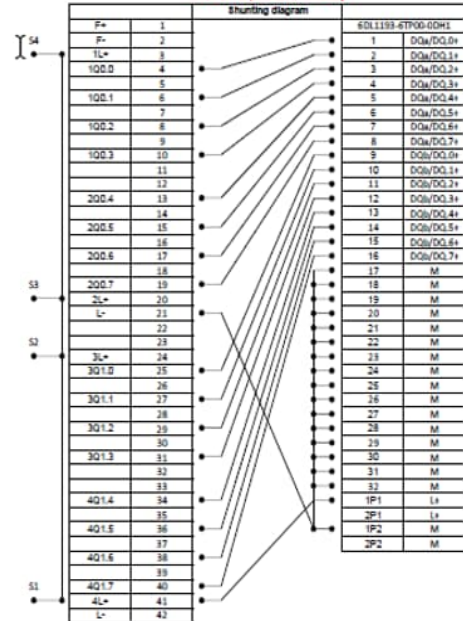
Stand: v2/12.2022

Ausgabe: 19.12.2022

6EZ2041-8HR51-1DA0			
S5 135U/155U		S7 ET200SP-HA	
RES6464-4UA12		8DL1132-4BH00-2PH1	
RES6464-4UA16-4UA18			
16 DO		DO 16	
DC 24V		DO 16x24V/0.5A	

consider the module characteristics!

rewire L+ / M potential if necessary

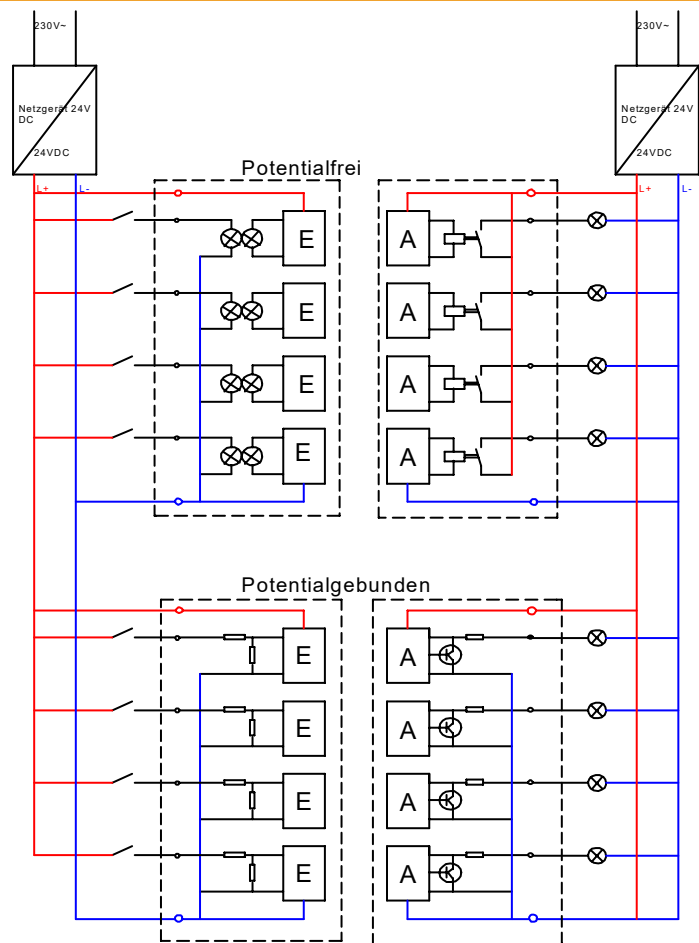


Powersupply

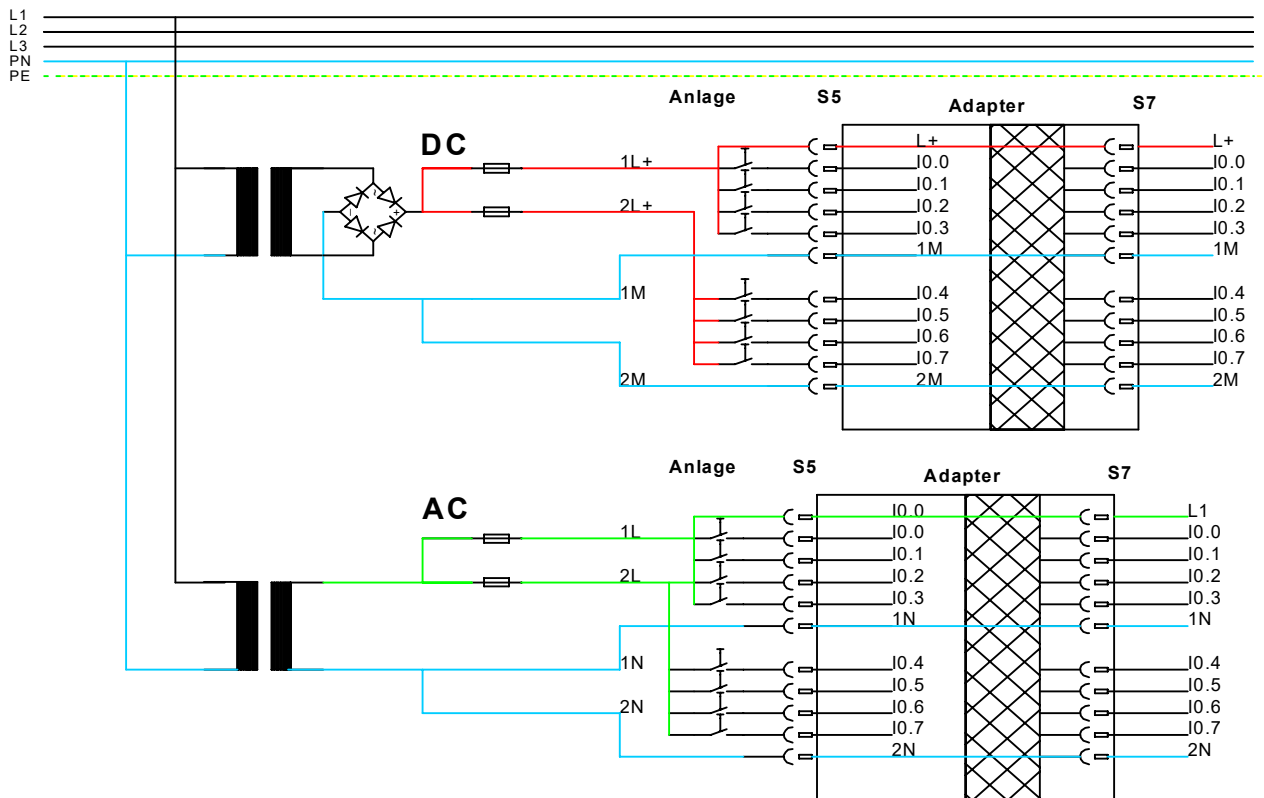
Separation of potentials

There are floating or non-floating IOs. In both cases the power for the module has to be supplied by the user.

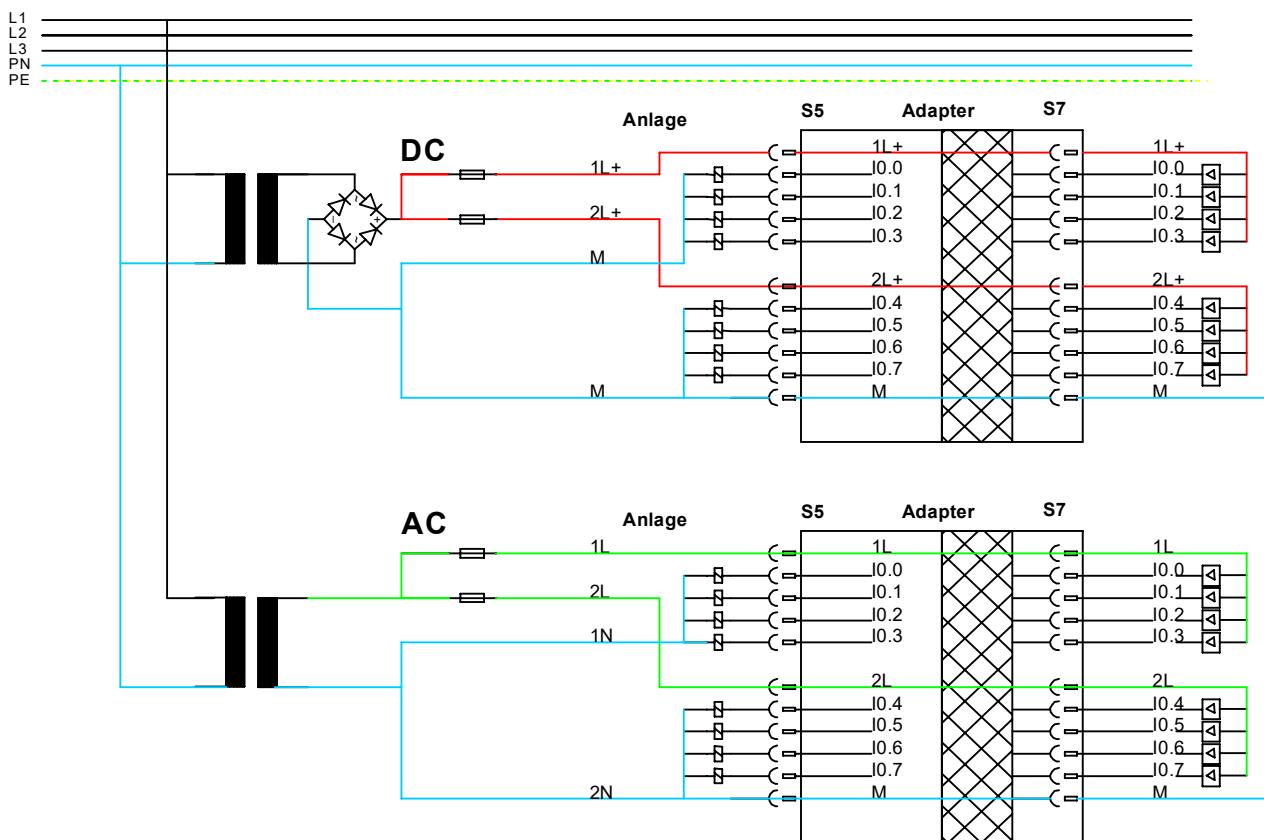
Another criterion is the short circuit protection of the signals. The outputs have to be tested for the rating of the pins and the printed conductor. Therefore the power supply of signals is rooted in groups of 1/2/4/8/16.



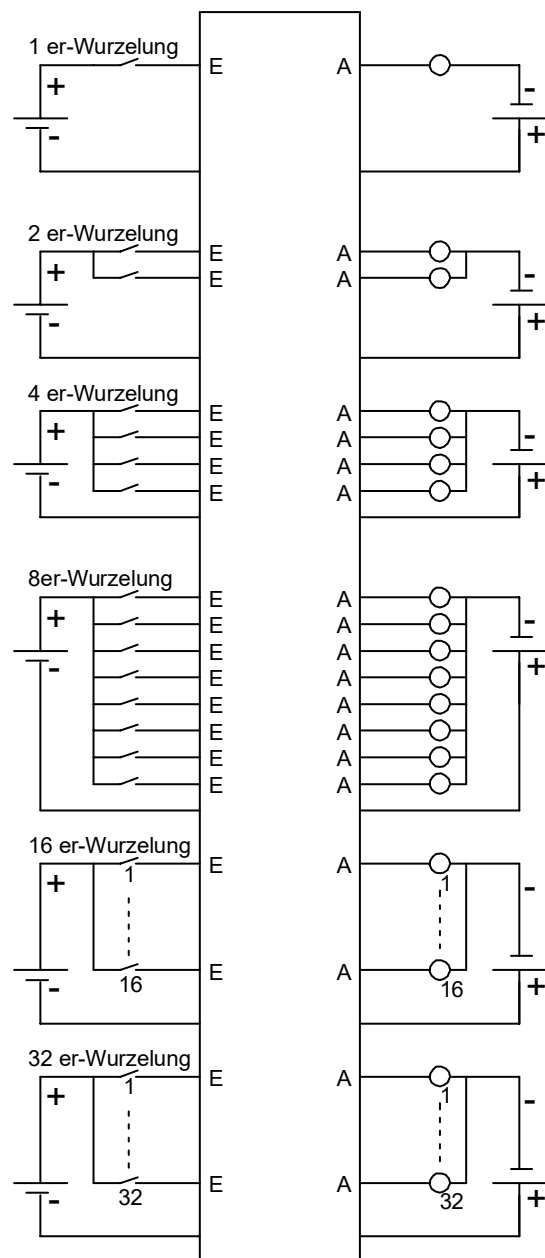
Powersupply of inputs



Powersupply of inputs



Rooting



Conditions of Sale

The Interface Module Adapters 6EZ2 041-.. are intended to be used between the front-plugs on the I-O-modules of an obsolete controller and a modern replacement controller SIMATIC S7. Hereby all installation remains at its place; only the controller and the respective software have to be substituted.

For the substitution of the up-to-now-used units the best matching units of S7- components were selected. However there remains a certain deviation in the specific performance. It is up to the user to check the limitations of his own installation, in particular the:

- Power supply
- Signal voltage
- Line-frequency
- Limits of I-O-definitions
- Rooting
- Number of channels
- Loading capacity
- Rating of connectors
- Signal switching frequency

If the S7-units do require an external application of +/- potentials and the old installation did not supply them, these potentials have to be brought to the terminal block on the adapter or to the S5 front connector .

If the power-rooting of the old installation is not corresponding to the new requirements, the user has to install the additional jumpers.

If the old installation was fed from different power sources, an equipotential bonding contactor has to be applied.

The enable –signal of the S5 units is not present in the S7-system in an identical way and may be considered on handling.

The parametering and selection of modes in the I/O units has to be done according to the requirements of the S7.

The vendor is not liable for damages that are caused by improper use of the Interface Module Adapters.

It is recommended to perform a field-test before the general switch-over of the new installation.

S5-115U	I/O	U	I	Adapter	S7-300
6ES5420-7LA11	32 DI	24 VDC		6EZ2041-8UG02-0DE0	6ES7321-1BL00-0AA0
6ES5430-7LA12	32 DI	24 VDC		6EZ2041-8UG02-0DE0	6ES7321-1BL00-0AA0
6ES5431-7LA11	16 DI	24/48 VUC		6EZ2041-8UG02-0DE1	6ES7321-1CH00-0AA0
6ES5432-7LA11	16 DI	48-60 VUC		6EZ2041-8UG02-0DE1	6ES7321-1CH00-0AA0
6ES5434-7LA12	8 DI	24 VDC		6EZ2041-8UG02-0DE2	6ES7321-1CH00-0AA0
6ES5435-7LA11	16 DI	115 VUC		6EZ2041-8UG02-0DE3	6ES7321-1FH00-0AA0
6ES5435-7LB11	16 DI	115 VUC		6EZ2041-8UG02-0DE4	6ES7321-1FF01-0AA0
6ES5435-7LC11	8 DI	115 VUC		6EZ2041-8UG02-0DE5	6ES7321-1FF10-0AA0
6ES5436-7LA11	16 DI	230 VUC		6EZ2041-8UG02-0DE3	6ES7321-1FH00-0AA0
6ES5436-7LB11	16 DI	230 VUC		6EZ2041-8UG02-0DE4	6ES7321-1FF01-0AA0
6ES5436-7LC11	8 DI	230 VUC		6EZ2041-8UG02-0DE5	6ES7321-1FF10-0AA0
6ES5441-7LA13	32 DO	24 VDC	0,5 A	6EZ2041-8UG02-0DA0	6ES7322-1BL00-0AA0
6ES5451-7LA12	32 DO	24 VDC	0,5 A	6EZ2041-8UG02-0DA0	6ES7322-1BL00-0AA0
6ES5451-7LA21	32 DO	24 VDC	0,5 A	6EZ2041-8UG02-0DA0	6ES7322-1BL00-0AA0
6ES5453-7LA11	16 DO	24-60 VDC	0,5 A	6EZ2041-8UG02-0DA1	6ES7322-5GH00-0AB0
6ES5454-7LA12	16 DO	24 VDC	2A	6EZ2041-8UG02-0DA2	6ES7322-1BF01-0AA0
6ES5456-7LA11	16 DO	115/230 VAC	1A	6EZ2041-8UG02-0DA5	6ES7322-1FF01-0AA0
6ES5456-7LB11	8 DO	115/230 VAC	2A	6EZ2041-8UG02-0DA6	6ES7322-5FF00-0AB0
6ES5456-7LB11	8 DO	115/230 VAC	2A	6EZ2041-8UG02-1DA6	6ES7322-1HF10-0AA0
6ES5458-7LA12	16 DO	Rel	0,5 A	6EZ2041-8UG02-0DA7	6ES7322-5HF00-0AB0
6ES5458-7LB11	8 DO	Rel	5 A	6EZ2041-8UG02-0DA8	6ES7322-5HF00-0AB0
6ES5458-7LC11	16 DO	Rel	5 A	6EZ2041-8UG02-0DA9	6ES7322-5HF00-0AB0
6ES5482-7LA11	16DE/16DA	24 VDC	0,5 A	6EZ2041-8UG02-0EA0	6ES7323-1BL00-0AA0
6ES5460-7LA13	8 AE	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG02-0AE1	6ES7331-7KF02-0AB0
6ES5460-7LA13	8 AE	Strommessung / current metering		6EZ2041-8UG02-1AE1	6ES7331-7NF00-0AB0
6ES5460-7LA13	8 AE	Spannungsmessung / voltage metering		6EZ2041-8UG02-2AE1	6ES7331-7NF00-0AB0
6ES5465-7LA13	16 AE	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG02-0AE2	6ES7331-7KF02-0AB0
6ES5465-7LA13	8 AE	PT100		6EZ2041-8UG02-1AE2	6ES7331-7PF01-0AB0
6ES5465-7LA13	8 AE	PT100		6EZ2041-8UG02-2AE2	6ES7331-1KF01-0AB0
6ES5470-7LA13	8 AA	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG02-0AA0	6ES7332-5HD01-0AB0
6ES5470-7LA13	8 AA	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG02-1AA0	6ES7332-5HF00-0AB0
6ES5470-7LB13	8 AA	Spannungsausgang / voltage output		6EZ2041-8UG02-0AA0	6ES7332-5HD01-0AB0
6ES5470-7LB13	8 AA	Spannungsausgang / voltage output		6EZ2041-8UG02-1AA0	6ES7332-5HF00-0AB0

S5-115U	I/O	U	I	Adapter	S7-300
6ES5470-7LC13	8 AA	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG02-0AA0	6ES7332-5HD01-0AB0
6ES5470-7LC13	8 AA	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG02-1AA0	6ES7332-5HF00-0AB0
				6EZ2041-8UG02-0DU0	offenes Kabelende / open ended
				6EZ2041-8UG02-0DU1	Klemmenadapter / terminal adapter
Zubehör				6EZ2041-8UG00-0BG0	Montagewinkelset / mounting brackets (set)

maximal 48 VDC / max. allowable
48V

rangiert auf zwei Baugruppen S7 /
switched on 2 S7-modules

Rangierung nur für 16 DI/16DO /
only 16DI/DO

nur AC und rangiert auf zwei
Baugruppen S7
only AC and switched on 2 S7-
modules

M nachverdrahten / M must be wired

N nachverdrahten und rangiert auf
zwei Baugruppen S7 / N must be
wired and switched to 2 S7-modules

nur AC und gleiche Phase / only AC
in-phase

S5-115U	I/O	U	I	Adapter	S7-400
6ES5420-7LA11	32 DI	24 VDC		6EZ2041-8UG05-0EU36	6ES7421-1BL01-0AA0
6ES5430-7LA12	32 DI	24 VDC		6EZ2041-8UG05-0EU36	6ES7421-1BL01-0AA0
6ES5431-7LA11	16 DI	24/48 VUC		6EZ2041-8UG65-0EU22	6ES7421-7DH00-0AB0
6ES5432-7LA11	16 DI	48-60 VUC		6EZ2041-8UG65-0EU22	6ES7421-7DH00-0AB0
6ES5434-7LA12	8 DI	24 VDC		6EZ2041-8UG05-0EU10	6ES7421-7DH00-0AB0
6ES5435-7LA11	16 DI	115 VUC		6EZ2041-8UG55-0EU22	6ES7421-1FH20-0AA0
6ES5435-7LB11	16 DI	115 VUC		6EZ2041-8UG55-0EU21	6ES7421-1FH20-0AA0
6ES5435-7LC11	8 DI	115 VUC		6EZ2041-8UG55-0EU10	6ES7421-1FH20-0AA0
6ES5436-7LA11	16 DI	230 VUC		6EZ2041-8UG55-0EU22	6ES7421-1FH20-0AA0
6ES5436-7LB11	16 DI	230 VUC		6EZ2041-8UG55-0EU21	6ES7421-1FH20-0AA0
6ES5436-7LC11	8 DI	230 VUC		6EZ2041-8UG55-0EU10	6ES7421-1FH20-0AA0
6ES5441-7LA13	32 DO	24 VDC	0,5 A	6EZ2041-8UG05-0AU33	6ES7422-1BL00-0AA0
6ES5451-7LA12	32 DO	24 VDC	0,5 A	6EZ2041-8UG05-0AU33	6ES7422-1BL00-0AA0
6ES5451-7LA21	32 DO	24 VDC	0,5 A	6EZ2041-8UG05-0AU33	6ES7422-1BL00-0AA0
6ES5454-7LA12	16 DO	24 VDC	2A	6EZ2041-8UG05-0AU22	6ES7422-1BH11-0AA0
6ES5455-7LA11	16 DO	115 VAC	2A	6EZ2041-8UG45-0AU21	6ES7422-1HH00-0AA0
6ES5456-7LA11	16 DO	230 VAC	1A	6EZ2041-8UG55-0AU22	6ES7422-1FH00-0AA0
6ES5458-7LC11	16 DO	Rel	5A	6EZ2041-8UG65-0AU22	6ES7422-1HH00-0AA0
6ES5460-7LA13	8 AE	nur Strommessung / only current metering		6EZ2041-8UG75-0EU11	6ES7431-1KF00-0AB0
6ES5460-7LA13	8 AE	nur Spannungsmessung / only voltage metering		6EZ2041-8UG75-0EU12	6ES7431-1KF00-0AB0
6ES5465-7LA13	8 AE	PT100		6EZ2041-8UG75-0EU20	6ES7431-7KF10-0AB0
6ES5465-7LA13	8 AE	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG75-0EU21	6ES7431-7QH00-0AB0
6ES5465-7LA13	8 AE	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG75-0EU21	6ES7431-0HH00-0AB0
6ES5470-7LA13	8 AA	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG75-0AU11	6ES7432-1HF00-0AB0
6ES5470-7LB13	8 AA	only voltage output		6EZ2041-8UG75-0AU11	6ES7432-1HF00-0AB0
6ES5470-7LC13	8 AA	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG75-0AU11	6ES7432-1HF00-0AB0

Achtung: Frontstecker der S5-115U haben einen höheren Platzbedarf (Baubreite)

Attention: Front connector with double width needs more place!

S5- 135/155U	I/O	U	I	Adapter	S7-300
6ES5420-4UA14	32 DI	24 VDC		6EZ2041-8UG01-0DE0	6ES7321-1BL00-0AA0
6ES5430-4UA14	32 DI	24 VDC		6EZ2041-8UG01-0DE0	6ES7321-1BL00-0AA0
6ES5431-4UA12	16 DI	24/60 VDC		6EZ2041-8UG01-0DE1	6ES7321-1CH00-0AA0
6ES5432-4UA12	32DI	24 VDC		6EZ2041-8UG01-0DE2	6ES7321-1BL00-0AA0
6ES5434-4UA12	32DI Namur	24 VDC		6EZ2041-8UG01-0DE6	6ES7321-7TH00-0AB0
6ES5435-4UA12	16 DI	24/60 VDC		6EZ2041-8UG01-0DE3	6ES7321-1CH00-0AA0
6ES5436-4UA12	16 DI	115/230 VAC		6EZ2041-8UG01-0DE4	6ES7321-1FH00-0AA0
6ES5436-4UB12	8 DI	115/230 VAC		6EZ2041-8UG01-0DE5	6ES7321-1FF10-0AA0
6ES5441-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG01-0DA0	6ES7322-1BL00-0AA0
6ES5451-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG01-0DA0	6ES7322-1BL00-0AA0
6ES5453-4UA12	16DO	24VDC	2A	6EZ2041-8UG01-0DA7	6ES7322-1BF01-0AA0
6ES5453-4UA12	16DO	24VDC	0,5 A	6EZ2041-8UG01-0DA1	6ES7322-5GH00-0AB0
6ES5454-4UA14	16 DO	24 VDC	2 A	6EZ2041-8UG01-0DA2	6ES7322-1BF01-0AA0
6ES5456-4UA12	16 DO	115/230 VAC	2 A	6EZ2041-8UG01-0DA3	6ES7322-1FF01-0AA0
6ES5456-4UB12	8 DO	115/230 VAC	2 A	6EZ2041-8UG01-0DA4	6ES7322-5FF00-0AB0
6ES5457-4UA12	16 DO	max. 24VDC	0,5A	6EZ2041-8UG01-1DA6	6ES7322-1BL00-0AA0
6ES5458-4UC11	16 DO	Relais	5 A	6EZ2041-8UG01-0DA5	6ES7322-1HH01-0AA0
6ES5458-4UA12	16 DO	60 VDC/ 48V AC	0,5 A	6EZ2041-8UG01-0DA6	6ES7322-5HF00-0AB0
6ES5482-4UA11	16DI/16DO	24 VDC	0,5 A	6EZ2041-8UG01-0EA0	6ES7323-1BL00-0AA0
6ES5482-4UA20	16DI/16DO	24 VDC	0,5 A	6EZ2041-8UG01-0EA0	6ES7323-1BL00-0AA0
6ES5460-4UA13	8 AI	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG01-0AE0	6ES7331-7KF02-0AB0
6ES5460-4UA13	8 AI	nur PT100		6EZ2041-8UG01-1AE0	6ES7331-7PF01-0AB0
6ES5460-4UA13	8 AI	nur Strommessung / only current metering		6EZ2041-8UG01-2AE0	6ES7331-7NF00-0AB0
6ES5460-4UA13	8 AI	nur Spannungsmessung / only voltage metering		6EZ2041-8UG01-3AE0	6ES7331-7NF00-0AB0
6ES5465-4UA13	16 AI	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG01-0AE2	6ES7331-7KF02-0AB0
6ES5465-4UA13	8 AI	PT100		6EZ2041-8UG01-1AE2	6ES7331-7PF01-0AB0
6ES5465-4UA13	8 AI	PT100		6EZ2041-8UG01-2AE2	6ES7331-1KF01-0AB0
6ES5470-4UA13	8 AO	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG01-0AA0	6ES7332-5HD01-0AB0
6ES5470-4UA13	8 AO	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG01-1AA0	6ES7332-5HF00-0AB0
6ES5470-4UB13	8 AO	nur Spannungsausgang / only voltage output		6EZ2041-8UG01-0AA0	6ES7332-5HD01-0AB0
6ES5470-4UC13	8 AO	nur Spannungsausgang / only voltage output		6EZ2041-8UG01-1AA0	6ES7332-5HF00-0AB0
6ES5470-4UC13	8 AO	Strom- und Spannungsausgang / current and voltage output		6EZ2041-8UG01-0AA0	6ES7332-5HD01-0AB0

S5- 135/155U	I/O	U	I	Adapter	S7-300
				6EZ2041-8UG01-0DU1	Klemmenadapter / terminal adapter
				6EZ2041-8UG01-0DU0	offenes Kabelende / open ended
				6EZ2041-8UG00-0BG0	Montagewinkelset / mounting brackets (set)

maximal 48 VDC / max. allowable
48V

rangiert auf zwei Baugruppen S7 /
switched on 2 S7-modules

Rangierung nur für 16 DI/16DO /
only 16DI/DO

nur AC und rangiert auf zwei
Baugruppen S7

only AC and switched on 2 S7-
modules

M nachverdrahten / M must be wired

N nachverdrahten und rangiert auf zwei
Baugruppen S7 / N must be wired and
switched to 2 S7-modules

nur AC und gleiche Phase / only AC in-
phase

S5-135/155U	I/O	U	Strom	Adapter	S7-400
6ES5420-4UA14	32 DI	24 VDC		6EZ2041-8UG07-0EU36	6ES7421-1BL01-0AA0
6ES5430-4UA14	32 DI	24 VDC		6EZ2041-8UG07-0EU36	6ES7421-1BL01-0AA0
6ES5431-4UA12	16 DI	24/60 VDC		6EZ2041-8UG07-0EU20	6ES7421-7DH00-0AB0
6ES5432-4UA12	32DI	24 VDC		6EZ2041-8UG07-0EU33	6ES7421-1BL01-0AA0
6ES5436-4UA12	16 DI	115/230 VAC		6EZ2041-8UG57-1EU23	6ES7421-1FH20-0AA0
6ES5436-4UB12	8 DI	115/230 VAC		6EZ2041-8UG57-1EU20	6ES7421-1FH20-0AA0
6ES5441-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG07-0AU36	6ES7422-1BL00-0AA0
6ES5441-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG07-0AU37	6ES7422-7BL00-0AB0
6ES5451-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG07-0AU37	6ES7422-7BL00-0AB0
6ES5451-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG07-0AU36	6ES7422-1BL00-0AA0
6ES5454-4UA14	16 DO	24 VDC	2 A	6EZ2041-8UG07-1AU23	6ES7422-1BH11-0AA0
6ES5456-4UA12	16 DO	115/230 VAC	2 A	6EZ2041-8UG57-1AU23	6ES7422-1FH00-0AA0
6ES5458-4UC11	16 DO	Relais	5 A	6EZ2041-8UG67-0AU23	6ES7422-1HH00-0AA0
6ES5460-4UA13	8 AI	nur Strommessung / only current metering		6EZ2041-8UG77-0EU11	6ES7431-1KF00-0AB0
6ES5460-4UA13	8 AI	nur Spannungsmessung / only voltage metering		6EZ2041-8UG77-0EU12	6ES7431-1KF00-0AB0
6ES5460-4UA13	8 AI	nur PT100		6EZ2041-8UG07-1AE0	6ES7431-7KF10-0AB0
6ES5460-4UA13	8 AI	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG07-0AE0	6ES7431-1KF10-0AB0
6ES5465-4UA13	8 AI	nur PT100		6EZ2041-8UG77-0EU20	6ES7431-7KF10-0AB0
6ES5465-4UA13	16 AI	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG77-0EU21	6ES7431-0HH00-0AB0
6ES5465-4UA13	16 AI	Strom- und Spannungsmessung / current and voltage metering		6EZ2041-8UG77-0EU21	6ES7431-7QH00-0AB0
6ES5470-4UA13	8 AO	nur Stromausgang / only current output		6EZ2041-8UG77-0AU11	6ES7432-1HF00-0AB0
6ES5470-4UC13	8 AO	nur Stromausgang / only current output		6EZ2041-8UG77-0AU11	6ES7432-1HF00-0AB0
6ES5470-4UA13	8 AO	nur Spannungsausgang / only voltage output		6EZ2041-8UG77-0AU12	6ES7432-1HF00-0AB0
6ES5470-4UB13	8 AO	nur Spannungsausgang / only voltage output		6EZ2041-8UG77-0AU12	6ES7432-1HF00-0AB0
6ES5470-4UC13	8 AO	nur Spannungsausgang / only voltage output		6EZ2041-8UG77-0AU12	6ES7432-1HF00-0AB0

Achtung: Frontstecker der S5-115U haben einen höheren Platzbedarf (Baubreite)

Attention: Front connector with double width needs more place!

S5-135/155U	I/O	U	I	Adapter	S7-1500
6ES5420-4UA14	32 DI	24 VDC		6EZ2041-8UG11-0DE0	6ES7521-1BL00-0AB0
6ES5430-4UA14	32 DI	24 VDC		6EZ2041-8UG11-0DE0	6ES7521-1BL00-0AB0
6ES5431-4UA12	16 DI	24/60 VDC		6EZ2041-8UG11-0DE1	6ES7521-1BH00-0AB0
6ES5432-4UA12	32DI	24 VDC		6EZ2041-8UG11-0DE2	6ES7521-1BL00-0AB0
6ES5436-4UA12	16 DI	115/230 VAC		6EZ2041-8UG11-0DE4	6ES7521-1FH00-0AA0
6ES5436-4UB12	8 DI	115/230 VAC		6EZ2041-8UG11-0DE5	6ES7521-1FH00-0AA0
6ES5441-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG11-0DA0	6ES7522-1BL00-0AB0
6ES5451-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8UG11-0DA0	6ES7522-1BL00-0AB0
6ES5453-4UA12	16 DO	20-30V DC	0,5A	6EZ2041-8UG11-0DA6	6ES7522 1BF00-0AB0
6ES5453-4UA12	16 DO	24 VDC	2A	6EZ2041-8UG11-0DA7	6ES7522-5EH00-0AB0
6ES5454-4UA14	16 DO	24 VDC	2 A	6EZ2041-8UG11-0DA1	6ES7522-1BH00-0AB0
6ES5454-4UA14	16 DO	24 VDC	2 A	6EZ2041-8UG11-0DA2	6ES7522-1BF00-0AB0
6ES5456-4UA12	16 DO	115/230 VAC	2 A	6EZ2041-8UG11-0DA3	6ES7522-5FF00-0AB0
6ES5456-4UA12	16 DO	115/230 VAC	2 A	6EZ2041-8UG11-0DA4	6ES7522-5HF00-0AB0
6ES5456-4UA12	16 DO	115/230 VAC	2 A	6EZ2041-8UG11-0DA8	6ES7522-5FH00-0AB0
6ES5456-4UB12	8 DO	115/230 VAC	2 A	6EZ2041-8UG11-1DA3	6ES7522-5FF00-0AB0
6ES5456-4UB12	8 DO	115/230 VAC	2 A	6EZ2041-8UG11-1DA4	6ES7522-5HF00-0AB0
6ES5458-4UC11	16 DO	Relais	5 A	6EZ2041-8UG11-2DA4	6ES7522-5HF00-0AB0
6ES5458-4UC11	16 DO	Relais	5 A	6EZ2041-8UG11-0DA5	6ES7522-5HH00-0AB0
6ES5460-4UA13	8 AI	Spannungsmessung / voltage metering		6EZ2041-8UG11-0AE0	6ES7531-7KF00-0AB0
6ES5460-4UA13	8 AI	Spannungsmessung / voltage metering		6EZ2041-8UG11-0AE0	6ES7531-7NF10-0AB0
6ES5460-4UA13	8 AI	Strommessung 2-Draht-Messumformer / current metering 2-wire-transducer		6EZ2041-8UG11-2AE0	6ES7531-7KF00-0AB0
6ES5460-4UA13	8 AI	Strommessung 2-Draht-Messumformer / current metering 2-wire-transducer		6EZ2041-8UG11-2AE0	6ES7531-7NF10-0AB0
6ES5460-4UA13	8 AI	Strommessung 4-Draht-Messumformer / current metering 4-wire-transducer		6EZ2041-8UG11-3AE0	6ES7531-7KF00-0AB0
6ES5460-4UA13	8 AI	Strommessung 4-Draht-Messumformer / current metering 4-wire-transducer		6EZ2041-8UG11-3AE0	6ES7531-7NF10-0AB0
6ES5465-4UA13	16 AI	Spannungsmessung / voltage metering		6EZ2041-8UG11-0AE2	6ES7531-7KF00-0AB0
6ES5465-4UA13	16 AI	Spannungsmessung / voltage metering		6EZ2041-8UG11-0AE2	6ES7531-7NF10-0AB0
6ES5465-4UA13	16 AI	Strommessung 2-Draht-Messumformer / current metering 2-wire-transducer		6EZ2041-8UG11-1AE2	6ES7531-7KF00-0AB0
6ES5465-4UA13	16 AI	Strommessung 2-Draht-Messumformer / current metering 2-wire-transducer		6EZ2041-8UG11-1AE2	6ES7531-7NF10-0AB0
6ES5465-4UA13	16 AI	Strommessung 4-Draht-Messumformer / current metering 4-wire-transducer		6EZ2041-8UG11-2AE2	6ES7531-7KF00-0AB0
6ES5465-4UA13	16 AI	Strommessung 4-Draht-Messumformer / current metering 4-wire-transducer		6EZ2041-8UG11-2AE2	6ES7531-7NF10-0AB0
6ES5465-4UA13	16 AI	PT100 Messbereichsmodul / measuring module 6ES5498-1AA11		6EZ2041-8UG11-3AE2	6ES7531-7KF00-0AB0
6ES5465-4UA13	8 AI	PT100		6EZ2041-8UG11-4AE3	6ES7531-7PF00-0AB0

S5-135/155U	I/O	U	I	Adapter	S7-1500
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6ES5470-4UA13	8 AO	Strom- / Spannungsmessung current- / voltage metering		6EZ2041-8UG11-0AA0	6ES7532-5HD00-0AB0
6ES5470-4UB13	8 AO	Strom- / Spannungsmessung current- / voltage metering		6EZ2041-8UG11-0AA0	6ES7532-5HD00-0AB0
6ES5470-4UC13	8 AO	Strom- / Spannungsmessung current- / voltage metering		6EZ2041-8UG11-0AA0	6ES7532-5HD00-0AB0
6ES5470-4UA13	8 AO	Strom- / Spannungsmessung current- / voltage metering		6EZ2041-8UG11-1AA0	6ES7532-5HF00-0AB0
6ES5470-4UB13	8 AO	Strom- / Spannungsmessung current- / voltage metering		6EZ2041-8UG11-1AA0	6ES7532-5HF00-0AB0
6ES5470-4UC13	8 AO	Strom- / Spannungsmessung current- / voltage metering		6EZ2041-8UG11-1AA0	6ES7532-5HF00-0AB0

Modulbreite 25mm / width of module 25mm / ET200MP					
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6ES5420-4UA14	32 DI	24 VDC		6EZ2041-8UG21-0DE0	6ES7521-1BL10-0AA0
6ES5430-4UA14	32 DI	24 VDC		6EZ2041-8UG21-0DE0	6ES7521-1BL10-0AA0
6ES5431-4UA12	16 DI	24-60VDC		6EZ2041-8UG21-0DE1	6ES7521-1BH10-0AA0
6ES5431-4UA12	16 DI	24-60VDC		6EZ2041-8UG21-1DE1 Massen gebrückt / ground is bridged	6ES7521-1BH10-0AA0
6ES5432-4UA12	32 DI	24VDC		6EZ2041-8UG21-0DE2	6ES7521-1BL10-0AA0
6ES5432-4UA12	32 DI	24V		6EZ2041-8UG21-1DE2	6ES7521-1BL10-0AA0
6ES5441-4UA14	32 DO	24 VDC	0,5A	6EZ2041-8UG21-0DA0	6ES7522-1BL10-0AA0
6ES5451-4UA14	32 DO	24 VDC	0,5A	6EZ2041-8UG21-0DA0	6ES7522-1BL10-0AA0
6ES5482-4UA11	16DI/16DO	24 VDC	0,5A	6EZ2041-8UG21-0EA0	6ES7523-1BL00-0AA0
6ES5460-4UA13	8 AI	Spannungsmessung / voltage metering		6EZ2041-8UG21-0AE0	6ES7531-7QD00-0AB0
6ES5460-4UA13	8 AI	Strommessung / 4-Draht-Messumformer current metering / 4-wire-transducer		6EZ2041-8UG21-0AE1	6ES7531-7QD00-0AB0
6ES5460-4UA13	8 AI	Strommessung / 2-Draht-Messumformer current- metering / 2-wire-transducer		6EZ2041-8UG21-0AE2	6ES7531-7QD00-0AB0

				6EZ2041-8UG01-0DU1	Klemmenadapter / terminal adapter
				6EZ2041-8UG01-0DU0	offenes Kabelende / openended
Zubehör				6EZ2041-8UG00-0BG0	Montagewinkelset / mounting brackets (set)

Zielbaugruppe 0,5A / S7-1500 module with 0,5A
rangiert auf zwei Baugruppen S7 / switched on 2 S7-modules
max. 24 VDC
Baugruppendaten beachten / observe technical data

S5-115U	I/O	U	I	Adapter	S7-1500
6ES5420-7LA11	32 DI	24 VDC		6EZ2041-8UG12-0DE0	6ES7521-1BL00-0AB0
6ES5430-7LA12	32 DI	24 VDC		6EZ2041-8UG12-0DE0	6ES7521-1BL00-0AB0
6ES5431-7LA11	16 DI	24/48 VUC		6EZ2041-8UG12-0DE1	6ES7521-1BH00-0AB0
6ES5434-7LA12	8 DI	24 VDC		6EZ2041-8UG12-0DE2	6ES7521-1BH00-0AB0
6ES5435-7LA11	16 DI	115 VUC		6EZ2041-8UG12-0DE3	6ES7521-1FH00-0AA0
6ES5435-7LB11	16 DI	115 VUC		6EZ2041-8UG12-0DE4	6ES7521-1FH00-0AA0
6ES5436-7LA11	16 DI	230 VUC		6EZ2041-8UG12-0DE3	6ES7521-1FH00-0AA0
6ES5436-7LB11	16 DI	230 VUC		6EZ2041-8UG12-0DE4	6ES7521-1FH00-0AA0
6ES5441-7LA13	32 DO	24 VDC	0,5 A	6EZ2041-8UG12-0DA0	6ES7522-1BL01-0AB0
6ES5451-7LA12	32 DO	24 VDC	0,5 A	6EZ2041-8UG12-0DA0	6ES7522-1BL01-0AB0
6ES5451-7LA21	32 DO	24 VDC	0,5 A	6EZ2041-8UG12-0DA0	6ES7522-1BL01-0AB0
6ES5453-7LA11	16 DO	24-60 VDC	0,5 A	6EZ2041-8UG12-0DA1	6ES7522-1BH00-0AB0
6ES5454-7LA12	16 DO	24 VDC	2A	6EZ2041-8UG12-1DA1	6ES7522-1BH00-0AB0
6ES5454-7LA12	16DO	24V DC	2A	6EZ2041-8UG12-1DA2	6ES7522-1BF00-0AB0
6ES5454-7LB11	8 DO	24 VDC	2A	6EZ2041-8UG12-0DA2	6ES7522-1BF00-0AB0
6ES5456-7LA11	16 DO	115/230 VAC	1A	6EZ2041-8UG12-0DA3	6ES7522-5FF00-0AB0
6ES5456-7LA11	16 DO	115/230 VAC	1A	6EZ2041-8UG12-0DA4	6ES7522-5HF00-0AB0
6ES5456-7LA11	16 DO	115/230 VAC	1A	6EZ2041-8UG12-0DA5	6ES7522-5FH00-0AB0
6ES5456-7LB11	8 DO	115/230 VAC	1,5A	6EZ2041-8UG12-1DA3	6ES7522-5FF00-0AB0
6ES5456-7LB11	8 DO	115/230 VAC	1,5 A	6EZ2041-8UG12-1DA4	6ES7522-5HF00-0AB0
6ES5458-7LA12	16 DO	Rel. UC 30V	0,5 A	6EZ2041-8UG12-2DA4	6ES7522-5HF00-0AB0
6ES5458-7LB11	8 DO	Rel.AC250V	5A	6EZ2041-8UG12-3DA4	6ES7522-5HF00-0AB0
6ES5458-7LC11	16 DO	Rel.AC250V	5A	6EZ2041-8UG12-4DA4	6ES7522-5HF00-0AB0
6ES5460-7LA13	8 AI	Spannungsmessung / PT100 / 2-Draht Messumformer // voltage metering / PT100 / 2-wire-transducer		6EZ2041-8UG12-0AE1	6ES7531-7KF00-0AB0
6ES5460-7LA13	8 AI	Spannungsmessung / PT100 / 2-Draht Messumformer // voltage metering / PT100 / 2-wire-transducer		6EZ2041-8UG12-0AE1	6ES7531-7NF10-0AB0
6ES5460-7LA13	8 AI	Strommessung 2-Draht-Messumformer / current metering 2-wire-transducer		6EZ2041-8UG12-1AE1	6ES7531-7KF00-0AB0
6ES5460-7LA13	8 AI	Strommessung 2-Draht-Messumformer / current metering 2-wire-transducer		6EZ2041-8UG12-1AE1	6ES7531-7NF10-0AB0
6ES5460-7LA13	8 AI	Strommessung 4-Draht-Messumformer / current metering 4-wire-transducer		6EZ2041-8UG12-2AE1	6ES7531-7KF00-0AB0
6ES5460-7LA13	8 AI	Strommessung 4-Draht-Messumformer / current metering 4-wire-transducer		6EZ2041-8UG12-2AE1	6ES7531-7NF10-0AB0

S5-115U	I/O	U	I	Adapter	S7-1500
6ES5465-7LA13	16 AI	Spannungsmessung / voltage metering		6EZ2041-8UG12-0AE2	6ES7531-7KF00-0AB0
6ES5465-7LA13	16 AI	Spannungsmessung / voltage metering		6EZ2041-8UG12-0AE2	6ES7531-7NF10-0AB0
6ES5465-7LA13	16AI	Spannungsmessung / voltage metering		6EZ2041-8UG12-0AE3 	6ES7531-7LH00-0AB0
6ES5465-7LA13	16AI	Strommessung / current metering		6EZ2041-8UG12-0AE3 	6ES7531-7MH00-0AB0
6ES5465-7LA13	16AI	RTD 4-Draht / RTD 4-wire transducer		6EZ2041-8UG12-1AE2	6ES7531-7KF00-0AB0
6ES5465-7LA13	16AI	RTD 4-Draht / RTD 4-wire transducer		6EZ2041-8UG12-1AE2	6ES7531-7NF10-0AB0
6ES5465-7LA13	16 AI	Strommessung / 2-Draht Messumformer current metering / 2-wire-transducer		6EZ2041-8UG12-2AE2	6ES7531-7KF00-0AB0
6ES5465-7LA13	16 AI	Strommessung / 2-Draht Messumformer current metering / 2-wire-transducer		6EZ2041-8UG12-2AE2	6ES7531-7NF10-0AB0
6ES5465-7LA13	16 AI	Strommessung / 4-Draht Messumformer current metering / 4-wire-transducer		6EZ2041-8UG12-3AE2	6ES7531-7KF00-0AB0
6ES5465-7LA13	16 AI	Strommessung / 4-Draht Messumformer current metering / 4-wire-transducerr		6EZ2041-8UG12-3AE2	6ES7531-7NF10-0AB0
6ES5470-7LA13	8 AO	Strom- und Spannungsmessung Current - / voltage metering		6EZ2041-8UG12-0AA0	6ES7532-5HD00-0AB0
6ES5470-7LB13	8 AO	Strom- und Spannungsmessung Current - / voltage metering		6EZ2041-8UG12-0AA0	6ES7532-5HD00-0AB0
6ES5470-7LC13	8 AO	Strom- und Spannungsmessung Current - / voltage metering		6EZ2041-8UG12-0AA0	6ES7532-5HD00-0AB0
6ES5470-7LA13	8 AO	Strom- oder Spannungsmessung Current - / voltage metering		6EZ2041-8UG12-1AA0	6ES7532-5HF00-0AB0
6ES5470-7LB13	8 AO	Strom- oder Spannungsmessung Current - / voltage metering		6EZ2041-8UG12-1AA0	6ES7532-5HF00-0AB0
6ES5470-7LC13	8 AO	Strom- oder Spannungsmessung Current - / voltage metering		6EZ2041-8UG12-1AA0	6ES7532-5HF00-0AB0

Modulbreite 25mm

6ES5420-7LA11	32 DI	24 VDC	6EZ2041-8UG22-0DE0	6ES7521-1BL10-0AA0
6ES5430-7LA12	32 DI	24 VDC	6EZ2041-8UG22-0DE0	6ES7521-1BL10-0AA0
6ES5431-7LA11	16 DI	24 - 48 VUC	6EZ2041-8UG22-0DE1	6ES7521-1BH10-0AA0
6ES5431-7LA11	16 DI	24 - 48 VUC	6EZ2041-8UG22-1DE1 Massen gebrückt	6ES7521-1BH10-0AA0
6ES5441-7LA13	32 DO	24 VDC	6EZ2041-8UG22-0DA0	6ES7522-1BL10-0AA0
6ES5451-7LA12	32 DO	24 VDC	6EZ2041-8UG22-0DA0	6ES7522-1BL10-0AA0
6ES5451-7LA21	32 DO	24 VDC	6EZ2041-8UG22-0DA0	6ES7522-1BL10-0AA0
6ES5482-7LA11	16DI/16DO	24 VDC	6EZ2041-8UG22-0EA0	6ES7523-1BL00-0AA0
6ES5460-7LA13	8 AI	Spannungsmessung / voltage metering	6EZ2041-8UG22-0AE0	6ES7531-7QD00-0AB0
6ES5460-7LA13	8 AI	Strommessung / 4-Draht-Messumformer current metering / 4-wire-transducer	6EZ2041-8UG22-0AE1	6ES7531-7QD00-0AB0
6ES5460-7LA13	8 AI	Strommessung / 2-Draht-Messumformer current metering / 2-wire-transducer	6EZ2041-8UG22-0AE2	6ES7531-7QD00-0AB0

6EZ2041-8UG02-0DU1

Klemmenadapter / terminal adapter

6EZ2041-8UG02-0DU0

offenes Kabelende / opened

6EZ2041-8UG00-0BG0

Montagewinkelset / mounting brackets
(set)rangiert auf zwei Baugruppen S7 / switched on 2
S7-modules

Zielbaugruppe 0,5A / S7-1500 module with 0,5A

observe technical data of S7-modules

max. 24 VDC

Nicht mit Messbereichsmodul 6ES5498-1AA51
not with measuring range module 6ES5 498-1AA51

S7-300	I/O	U	I	Adapter	S7-1500
6ES7321-1BL00-0AA0	32 DI	24 VDC		6EZ2041-8HR11-0DE0	6ES7521-1BL00-0AB0
6ES7321-1BH01-0AA0	16 DI	24VDC		6EZ2041-8HR11-2DE0	6ES7521-1BH00-0AB0
6ES7321-1FH00-0AA0	16DI	120/230VAC		6EZ2041-8HR11-3DE0	6ES7521-1FH00-0AA0
6ES7321-7TH00-0AB0	16DI	24VDC /Namur		6EZ2041-8HR11-5DE0	6ES7521-7TH00-0AB0
6ES7322-1BL00-0AA0	32 DO	24 VDC	0,5A	6EZ2041-8HR11-0DA0	6ES7522-1BL01-0AB0
6ES7322-1BH01-0AA0	16 DO	24VDC	0,5A	6EZ2041-8HR11-2DA0	6ES7522-1BH01-0AB0
6ES7322-1FH00-0AA0	16 DO	AC 230V 1A ST		6EZ2041-8HR11-4DA0	6ES7522-5FH00-0AB0
6ES7322-1HH01-0AA0	16 DO	rel. AC 120/230V		6EZ2041-8HR11-5DA0	6ES7522-5HH00-0AB0
6ES7322-1FF01-0AA0	8 DO	AC 120/230V	2A	6EZ2041-8HR11-6DA0	6ES7522-5FF00-0AB0
6ES7331-1KF02-0AB0	8 AI	Spannungsmessung V / metering V	voltage	6EZ2041-8HR11-0AE0	6ES7531-7KF00-0AB0
6ES7331-7KF02-0AB0	8 AI	U / I / R / T		6EZ2041-8HR11-1AE0	6ES7531-7KF00-0AB0
6ES7331-1KF02-0AB0	8 AI	Spannungsmessung mV metering mV	voltage	6EZ2041-8HR11-0AE1	6ES7531-7KF00-0AB0
6ES7331-7KF02-0AB0	8 AI	Strommessung 4-Draht // metering 4-wire-transducer	current	6EZ2041-8HR11-1AE1	6ES7531-7KF00-0AB0
6ES7331-1KF02-0AB0	8 AI	Strommessung 4-Draht // metering 4-wire-transducer	current	6EZ2041-8HR11-0AE2	6ES7531-7KF00-0AB0
6ES7331-7KF02-0AB0	8 AI	Strommessung 2-Draht // metering 2-wire-transducer	current	6EZ2041-8HR11-1AE2	6ES7531-7KF00-0AB0
6ES7331-1KF02-0AB0	8 AI	Strommessung 2-Draht // metering 2-wire-transducer	current	6EZ2041-8HR11-0AE3	6ES7531-7KF00-0AB0
6ES7331-1KF02-0AB0	8 AI	R- / T-Messung		6EZ2041-8HR11-0AE4	6ES7531-7KF00-0AB0
6ES7331-7NF10-0AB0	8 AI	Spannungsmessung /	voltage metering	6EZ2041-8HR11-2AE0	6ES7531-7KF00-0AB0
6ES7331-7NF10-0AB0	8 AI	Strommessung 4-Draht // metering 4-wire-transducer	current	6EZ2041-8HR11-2AE1	6ES7531-7KF00-0AB0
6ES7332-5HF00-0AB0	8 AO	U- / I		6EZ2041-8HR11-0AA0	6ES7532-5HF00-0AB0
6ES7332-5HB01-0AB0	2 AO	U- / I		6EZ2041-8HR11-1AA0	6ES7532-5NB00-0AB0
6ES7332-5HD01-0AB0	4 AO	U- / I		6EZ2041-8HR11-2AA0	6ES7532-5HD00-0AB0
Modulbreite 25mm / width of module 25mm / ET200MP					
6ES7321-1BL00-0AA0	32 DI	24 VDC		6EZ2041-8HR12-0DE0	6ES7521-1BL10-0AA0
6ES7321-1BH01-0AA0	16 DI	24VDC		6EZ2041-8HR12-2DE0	6ES7521-1BH10-0AA0
6ES7321-1BH02-0AA0	16 DI	24VDC		6EZ2041-8HR12-2DE0	6ES7521-1BH10-0AA0
6ES7321-7BH01-0AB0	16 DI	24VDC		6EZ2041-8HR12-1DE0	6ES7521-1BH10-0AA0
6ES7322-1BL00-0AA0	32 DO	24 VDC	0,5A	6EZ2041-8HR12-0DA0	6ES7522-1BL10-0AA0
6ES7322-1BH01-0AA0	16 DO	24VDC	0,5A	6EZ2041-8HR12-1DA0	6ES7522-1BH10-0AA0
6ES7323-1BL00-0AA0	16DI/16DO	24VDC	0,5A	6EZ2041-8HR12-0EA0	6ES7523-1BL00-0AA0
		offenes Kabelende / open ended 0,5m ungeschirmt / unshielded		6EZ2041-8HR10-1DU0	20 pol. Fronstecker // 20 pin frontconnector
		offenes Kabelende / open ended 0,5m ungeschirmt / unshielded		6EZ2041-8HR10-0DU0	40 pol. Fronstecker // 40 pin frontconnector
				6EZ2041-8UG00-0BG0	Montagewinkelset / mounting brackets (set)

Baugruppendaten beachten
observe technical data of S7-
modules

S7-400	I/O	U	I	Adapter	S7-1500
6ES7421-1BL01-0AA0	32 DI	24VDC		6EZ2041-8HR21-0DE0	6ES7521-1BL00-0AB0
6ES7422-1BL00-0AA0	32 DO	24VDC		6EZ2041-8HR21-0DA0	6ES7522-1BL01-0AB0
6ES7422-1BH11-0AA0	16 DO	24VDC	2A	6EZ2041-8HR21-1DA0	6ES7522-5HH00-0AB0
6ES7422-1BH11-0AA0	16 DO	24VDC	2A	6EZ2041-8HR21-1DA1	6ES7522-1BF00-0AB0
6ES7422-1HH00-0AA0	16 DO	UC30/230V	Rel. 5A	6EZ2041-8HR21-2DA0	6ES7522-5HF00-0AB0
6ES7431-7QH00-0AB0	16 AI	Strommessung 4-Draht // current metering 4-wire-transducer		6EZ2041-8HR21-0AE1	6ES7531-7KF00-0AB0
6ES7431-7QH00-0AB0	16 AI	Strommessung 2-Draht // current metering 2-wire-transducer		6EZ2041-8HR21-0AE2	6ES7531-7KF00-0AB0
6ES7431-7QH00-0AB0	16 AI	U / R / T-Messung		6EZ2041-8HR21-0AE0	6ES7531-7KF00-0AB0
6ES7431-1KF00-0AB0	8 AI	Strommessung 2-Draht current metering / 2-wire-transducer		6EZ2041-8HR21-1AE2	6ES7531-7KF00-0AB0
6ES7431-1KF00-0AB0	8 AI	Strommessung 4-Draht // current metering 4-wire-transducer		6EZ2041-8HR21-1AE1	6ES7531-7KF00-0AB0
6ES7431-1KF00-0AB0	8 AI	U / R		6EZ2041-8HR21-1AE0	6ES7531-7KF00-0AB0
6ES7431-1KF20-0AB0	8 AI	Spannungsmessung // voltage metering		6EZ2041-8HR21-2AE0	6ES7531-7NF10-0AB0
6ES7431-1KF10-0AB0	8 AI	Spannungsmessung // voltage metering		6EZ2041-8HR21-2AE0	6ES7531-7NF10-0AB0
6ES7431-1KF20-0AB0	8 AI	Strommessung 4-Draht // current metering 4-wire-transducer		6EZ2041-8HR21-2AE1	6ES7531-7NF10-0AB0
6ES7431-1KF10-0AB0	8 AI	Strommessung 4-Draht // current metering 4-wire-transducer		6EZ2041-8HR21-2AE1	6ES7531-7NF10-0AB0
6ES7431-1KF20-0AB0	8 AI	Strommessung 2-Draht current metering / 2-wire-transducer		6EZ2041-8HR21-2AE2	6ES7531-7NF10-0AB0
6ES7431-1KF10-0AB0	8AI	Strommessung 2-Draht current metering / 2-wire-transducert		6EZ2041-8HR21-2AE2	6ES7531-7NF10-0AB0
6ES7432-1HF00-0AB0	8 AO	U / I		6EZ2041-8HR21-0AA0	6ES7532-5HF00-0AB0

Modulbreite 25mm / width of module 25mm / ET200MP

6ES7421-1BL01-0AA0	32 DI	24VDC	6EZ2041-8HR22-0DE0	6ES7521-1BL10-0AA0
6ES7422-1BL00-0AA0	32 DO	24 VDC	6EZ2041-8HR22-0DA0	6ES7522-1BL10-0AA0

offenes Kabelende / open ended
0,5m ungeschirmt / unshielded

6EZ2041-8HR20-0DU0

6EZ2041-8UG00-0BG0

Montagewinkelset / mounting brackets
(set)

rangiert auf zwei Baugruppen S7 / switched on 2
S7-modules

S5	I/O	Voltage	Current	Adapter including BaseUnit	ET200SP	ET200SP I/O	Comment
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Observe potential groups of S5 and ET200SP

DI								
6ES5430-4UA14	32 DI	24 VDC		6EZ2041-8HR41-0DE0	6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0	16DI /24VDC	
					6ES7193-6BP00-0BA0	6ES7131-6BH01-0BA0	16DI /24VDC	

6ES5431-4UA12	16 DI	24/60 VDC		6EZ2041-8HR41-1DE0	6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0	16DI /24VDC	only 24VDC, rewire L+
								S5: 16 potential groups, ET200SP: 1 potential group

6ES5432-4UA12	32DI	24 VDC		6EZ2041-8HR41-2DE0	6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0	16DI /24VDC	rewire L+
					6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0		S5: 4 potential groups, ET200SP: 2 potential groups

6ES5420-4UA14	32 DI	24 VDC		6EZ2041-8HR31-0DE0	6ES7193-6BP00-0DA0	6ES7131-6BF01-0AA0	8DI /24VDC	
6ES5430-4UA14					6ES7193-6BP00-0BA0			
					6ES7193-6BP00-0BA0			
					6ES7193-6BP00-0BA0			

6ES5431-4UA12	16DI	24-60VDC		6EZ2041-8HR31-1DE0	6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0	16DI /24VDC	only 24VDC, S5- F+ connected to L+

6ES5432-4UA12	32DI	24 VDC		6EZ2041-8HR31-2DE0	6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0	16DI /24VDC	S5- F+ connected to L+
					6ES7193-6BP00-0DA0	6ES7131-6BH01-0BA0		S5: 4 potential groups, ET200SP: 2 potential groups

S5	I/O	Voltage	Current	Adapter including BaseUnit	ET200SP	ET200SP I/O	Comment
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DO

6ES5441-4UA14	32 DO	24 VDC		6EZ2041-8HR31-0DA0	6ES7193-6BP00-0DA0	6ES7132-6BH00-0AA0 6ES7132-6BH01-0BA0	16DO /24VDC	32x digital output in 2x potential groups L-* optional 6ES5451-4UA14
6ES5451-4UA14					6ES7193-6BP00-0DA0	6ES7132-6BH00-0AA0 6ES7132-6BH01-0BA0		

6ES5441-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8HR41-0DA0	6ES7193-6BP00-0DA0	6ES7132-6BH00-0AA0	16DO/24VDC/0,5A	
					6ES7193-6BP00-0DA0	6ES7132-6BH00-0AA0		

6ES5451-4UA14	32 DO	24 VDC	0,5 A	6EZ2041-8HR41-0DA0	6ES7193-6BP00-0DA0	6ES7132-6BH01-0BA0	16DO/24VDC/0,5A	
					6ES7193-6BP00-0DA0	6ES7132-6BH01-0BA0		

6ES5458-4UA12	16 DO	60 VDC/48V AC	0,5 A	6EZ2041-8HR41-1DA0	6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1	4* RQ	observe technical data of modules
					6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1	120VDC-230VAC / 5A	
					6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1	NO ST	
					6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1		

6ES5458-4UC11	16 DO	Relais 230VAC	5 A	6EZ2041-8HR41-2DA0	6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1	4* RQ	observe technical data of S7-modules
					6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1	120VDC-230VAC / 5A	
					6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1	NO ST	
					6ES7193-6BP20-0BB1	6ES7132-6HD01-0BB1		

S5	I/O	Voltage	Current	Adapter including BaseUnit	ET200SP	ET200SP I/O	Comment
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AI

6ES5460-4UA13	8 AI	U-/I-measuring		6EZ2041-8HR41-0AE0	6ES7193-6BP00-0DA0	6ES7134-6HD01-0BA1	4 AI U/I 2-wire ST	
					6ES7193-6BP00-0BA0	6ES7134-6HD01-0BA1	Spannungsmessung	

6ES5460-4UA13	8 AI	Strom- /Spannungsmessung		6EZ2041-8HR41-0AE1	6ES7193-6BP00-0DA0	6ES7134-6HD01-0BA1	4 AI U/I 2-draht ST	not with measuring range module 6ES5498-1AA51
					6ES7193-6BP00-0BA0	6ES7134-6HD01-0BA1	Current metering	

6ES5460-4UA13	8 AI	resistance metering		6EZ2041-8HR41-0AE2	6ES7193-6BP00-0DA1	6ES7134-6JD00-0CA1	4 AI RTD/TC 4-wire HF	
					6ES7193-6BP00-0BA1	6ES7134-6JD00-0CA1	resistance metering	

6ES5460-4UA13	8 AI	resistance metering		6EZ2041-8HR41-0AE3	6ES7193-6BP00-0DA1	6ES7134-6JF00-0CA1	8 AI RTD/TC 2-wire HF	
							resistance metering	

6ES5465-4UA13	16 / 8 A	U / I / PT100 measure		6EZ2041-8HR41-1AE0	6ES7193-6BP00-0DA0	6ES7134-6FF00-0AA1	AI 8xU BA	
					6ES7193-6BP00-0BA0	6ES7134-6FF00-0AA1	Voltage metering	

6ES5465-4UA13	16 / 8 A	U / I / PT100 measure		6EZ2041-8HR41-1AE1	6ES7193-6BP00-0DA0	6ES7134-6GF00-0AA1	AI 8xI 2-/4-wire BA	
					6ES7193-6BP00-0BA0	6ES7134-6GF00-0AA1	Current metering	

6ES5465-4UA13	16 / 8 A	U / I / PT100 measure		6EZ2041-8HR41-1AE2	6ES7193-6BP00-0DA1	6ES7134-6JD00-0CA1	AI 4xRTD/TC 4-wire HF	
					6ES7193-6BP00-0BA1	6ES7134-6JD00-0CA1	resistance metering	

S5-135_155U --> ET200SP

S5	I/O	Voltage	Current	Adapter including BaseUnit		ET200SP	ET200SP I/O	Comment
AO								
6ES5470-4UA13	8 AO	Strom- /Spannungsmessung		6EZ2041-8HR41-0AA0	6ES7193-6BP00-0DA0	6ES7135-6HD00-0BA1	4 AO U/I ST	
					6ES7193-6BP00-0BA0			
6ES5470-4UB13	8 AO			6EZ2041-8HR41-1AA0	6ES7193-6BP00-0DA0	6ES7135-6HD00-0BA1	4 AO U/I ST	
					6ES7193-6BP00-0BA0			

ET200SP is not included